

ABSTRACT OF THE DISCLOSURE

A digital camera image controller apparatus for a mobile phone is disclosed, which uses a sensing module to collect optical signal of an image and produce RGB (red, green, blue) image signal from the optical signal, 5 and an image controller to receive the RGB image signal and accordingly produce a preview signal of the image to an LCD module. Also, the image controller outputs compressed or non-compressed image signal to a baseband processor. In addition, the image controller includes chromatic aberration interpolator and an RGB-to-YUV converter provided by a 10 typical camera module. Therefore, the inventive camera module can include a sensing module simply having lens and sensor, thus avoiding defects caused by using the typical camera module.